



Office of Intellectual Property Counsel
Innovative Properties Company
PO Box 33427
St. Paul, Minnesota 55133-3427
651/733-1500

PATENT

Case No.: 53091US009

Request for Continued Examination (RCE) Transmittal

Box RCE
Commissioner for Patents
Washington, DC 20231

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DEC 02 2002

TECH CENTER 1600/2900

First Named Inventor: Wei, Ai-Ping

Application No.: 09/448633

Group Art Unit: 1631

Filed: November 24, 1999

Examiner: M. Moran

Title: FLUOROGENIC PROTEASE SUBSTRATES BASED ON DYE-DIMERIZATION

This is a Request for Continued Examination (RCE) under 37 CFR § 1.114 of the above-identified application.

1. Submission required under 37 CFR § 1.114

- a. ☐ Previously submitted
- i. ☐ Consider the amendment(s)/reply under 37 CFR § 1.116 previously filed on
(Any unentered amendment(s) referred to above will be entered)
- ii. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on
- iii. ☐ Other
- b. ☒ Enclosed
- i. ☒ Amendment/Reply
- ii. ☐ Affidavit(s)/Declaration(s)
- iii. ☐ Information Disclosure Statement (IDS)/Supplemental IDS
- iv. ☐ Other

2. ☒ A Request for Extension of Time is being filed concurrently

3. Fees (The RCE fee under 37 CFR § 1.17(e) is required by 37 CFR § 1.114 when the RCE is filed.)

- a. ☒ The Director is hereby authorized to charge the following fees or credit any overpayments to:
Deposit Account No. 13-3723. A duplicate copy of this letter for fees processing is enclosed.
- i. ☒ RCE fee required under 37 CFR § 1.17(e)
- ii. ☐ Other

Reg. No.: 41,793	Telephone No.: 651-736-6432
Date: November 20 2002	

Respectfully submitted,

Signature <i>Melanie Gover</i>
Printed Name: Melanie Gover

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I certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Box RCE, Washington, DC 20231, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below:

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Date: November 20 2002

Signature:

Melanie Gover

Printed Name: Melanie Gover

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Patent
Docket No: 53091US009

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of:

Ai-Ping Wei et al.

Group Art Unit: 1631

Serial No.: 09/448,633

Filed: November 24, 1999

Examiner: M. Moran

For: FLUOROGENIC PROTEASE SUBSTRATES BASED ON DYE-DIMERIZATION

CERTIFICATE OF MAILING

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Date: Nov 20 2002

Melanie Gover
Signature: Melanie Gover

RESPONSE AND AMENDMENT UNDER 37 C.F.R. § 1.111

Commissioner for Patents
Washington, DC 20231

Dear Sir:

This is in response to the Official Action having a mailing date of June 3, 2002.

AMENDMENTS

In the claims:

Please amend the claims as follows:

1. (thrice amended) A method of biological assay comprising:

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- a) providing an enzyme substrate comprising two or more identical fluorescence dye groups bound to a flexible peptide comprising one or more enzymatically cleavable bonds, the dye groups being drawn together by free energy attractions such that the dye groups self-quench their fluorescence by dye stacking or dimerization, and
 - b) contacting said substrate with a substance being assayed to determine the presence of an enzyme capable of cleaving an enzymatically cleavable bond wherein the enzymatic cleaving of said cleavable bond of the peptide will release